

Table K2. - Soil Features

Carson City Area, Nevada

Absence of an entry indicates that the feature is not a concern or that data were not estimated.

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
1: Aldax	Bedrock (lithic)	10-20	---	---	0	---	Moderate	Moderate	Moderate
Indiano	Bedrock (lithic)	20-40	---	---	0	---	Moderate	Moderate	Low
2: Aldax Variant	Bedrock (paralithic)	10-20	---	---	0	---	Moderate	Moderate	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
3: Arkson	---	---	---	---	0	---	Moderate	Moderate	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
4: Bishop	---	---	---	---	0	---	High	High	Moderate
Voltaire	---	---	---	---	0	---	High	High	Moderate
5: Cagle	Bedrock (paralithic)	20-40	---	---	0	---	Low	Moderate	Low

Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
5: Nosrac	---	---	---	---	0	---	Moderate	Moderate	Low
6: Cagwin	Bedrock (paralithic)	20-40	---	---	0	---	Low	Moderate	Moderate
7: Cagwin	Bedrock (paralithic)	20-40	---	---	0	---	Low	Moderate	Moderate
Toem	Bedrock (paralithic)	8-20	---	---	0	---	Low	Moderate	Moderate
8: Corbett	Bedrock (paralithic)	20-40	---	---	0	---	Low	Moderate	Moderate
9: Corbett	Bedrock (paralithic)	20-40	---	---	0	---	Low	Moderate	Moderate
10: Corbett	Bedrock (paralithic)	20-40	---	---	0	---	Low	Moderate	Moderate
Toiyabe	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Moderate
11: Cradlebaugh	---	---	---	---	0	---	High	High	High

Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
11:		In	In		In	In			
Jubilee	---	---	---	---	0	---	High	Moderate	Low
Voltaire	---	---	---	---	0	---	High	High	Moderate
12:									
Dalzell	Duripan	30-40	4-17	---	0	---	Moderate	High	Low
13:									
Dalzell Variant	---	---	---	---	0	---	Moderate	High	Low
14:									
Deven	Bedrock (lithic)	10-20	---	---	0	---	Low	High	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
15:									
Deven	Bedrock (lithic)	10-20	---	---	0	---	Low	High	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
17:									
Glenbrook	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Low
18:									

Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
18:		In	In		In	In			
Glenbrook	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
19:									
Glenbrook	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
20:									
Glenbrook	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
21:									
Greenbrae	---	---	---	---	0	---	Moderate	Moderate	Moderate
22:									
Greenbrae	---	---	---	---	0	---	Moderate	Moderate	Moderate
23:									
Haybourne	---	---	---	---	0	---	Moderate	High	Low
24:									

Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
24: Haybourne	---	---	---	---	0	---	Moderate	High	Low
25: Haybourne	---	---	---	---	0	---	Moderate	High	Low
26: Haybourne	---	---	---	---	0	---	Moderate	High	Low
27: Haybourne	---	---	---	---	0	---	Moderate	High	Low
28: Histic Haplaquolls	---	---	---	---	0	---	High	Moderate	Low
Bishop	---	---	---	---	---	---	---	---	---
29: Hocar	Bedrock (paralithic)	7-20	---	---	0	---	Moderate	High	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
30: Hocar	Bedrock (paralithic)	7-20	---	---	0	---	Moderate	High	Low

Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
30: Rock Outcrop	---	---	---	---	---	---	---	---	---
31: Holbrook	---	---	---	---	0	---	Moderate	High	Low
Jubilee	---	---	---	---	0	---	High	Moderate	Low
32: Holbrook	---	---	---	---	0	---	Moderate	High	Low
33: Holbrook Variant	Bedrock (lithic)	20-40	---	---	0	---	Moderate	Moderate	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
34: Incy	---	---	---	---	0	---	Low	Moderate	Low
35: Indiano Variant	Bedrock (lithic)	24-40	---	---	0	---	Moderate	Moderate	Low
36: Jubilee	---	---	---	---	0	---	High	Moderate	Low

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Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
37: Jubilee	---	---	---	---	0	---	High	Moderate	Low
38: Kimmerling	---	---	---	---	0	---	High	High	Low
40: Koontz	Bedrock (paralithic)	8-20	---	---	0	---	Moderate	Moderate	Low
Sutro	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	Moderate	Low
41: Koontz	Bedrock (paralithic)	8-20	---	---	0	---	Moderate	Moderate	Low
Sutro	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	Moderate	Low
42: Koontz	Bedrock (paralithic)	8-20	---	---	0	---	Moderate	Moderate	Low
Sutro Variant	Bedrock (paralithic)	40-60	---	---	0	---	Moderate	Moderate	Low
43: Koontz	Bedrock (paralithic)	8-20	---	---	0	---	Moderate	Moderate	Low

Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
43: Sutro Variant	Bedrock (paralithic)	40-60	---	---	0	---	Moderate	Moderate	Low
45: Mottsville	---	---	---	---	0	---	Low	Moderate	Moderate
46: Old Camp	Bedrock (lithic)	10-20	---	---	0	---	Moderate	High	Low
Holbrook Variant	Bedrock (lithic)	20-40	---	---	0	---	Moderate	Moderate	Low
47: Old Camp	Bedrock (lithic)	10-20	---	---	0	---	Moderate	High	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
48: Old Camp	Bedrock (lithic)	10-20	---	---	0	---	Moderate	High	Low
Rubble Land	---	---	---	---	---	---	---	---	---
49: Oppio	Bedrock (lithic)	20-40	---	---	0	---	Low	Moderate	Low

Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
49: Nosrac	---	---	---	---	0	---	Moderate	High	Low
50: Orizaba	---	---	---	---	0	---	High	High	High
Kimmerling	---	---	---	---	0	---	High	Moderate	Low
Voltaire	---	---	---	---	0	---	High	High	Moderate
51: Prey	Duripan	26-38	4-17	---	0	---	Moderate	Moderate	Low
52: Prey	Duripan	26-38	4-17	---	0	---	Moderate	High	Low
53: Prey	Duripan	26-38	4-17	---	0	---	Moderate	High	Low
54: Reno	Duripan	20-40	4-17	---	0	---	Moderate	High	Low
55: Reno	Duripan	20-40	4-17	---	0	---	Moderate	High	Low

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Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
56: Rock Outcrop	---	---	---	---	---	---	---	---	---
Aldax Variant	Bedrock (paralithic)	10-20	---	---	0	---	Moderate	Moderate	Low
57: Sagouspe	---	---	---	---	0	---	Moderate	High	Low
58: Surprise	---	---	---	---	0	---	Moderate	Moderate	Low
59: Surprise	---	---	---	---	0	---	Moderate	Moderate	Low
60: Surprise	---	---	---	---	0	---	Moderate	Moderate	Low
61: Surprise	---	---	---	---	0	---	Moderate	Moderate	Low
62: Tarloc	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	Moderate	Low
63: Tarloc	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	Moderate	Low

Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
63: Glenbrook	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Low
66: Toem	Bedrock (paralithic)	8-20	---	---	0	---	Low	Moderate	Moderate
Rock Outcrop	---	---	---	---	---	---	---	---	---
67: Toiyabe	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Moderate
Corbett	Bedrock (paralithic)	20-40	---	---	0	---	Low	Moderate	Moderate
68: Toiyabe	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Moderate
Rock Outcrop	---	---	---	---	---	---	---	---	---
69: Toiyabe	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Moderate
Rock Outcrop	---	---	---	---	---	---	---	---	---

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Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
70: Toll	---	---	---	---	0	---	Low	Moderate	Low
71: Urban Land	---	---	---	---	---	---	---	---	---
72: Ursine Variant	Duripan	5-20	0-3	---	0	---	Moderate	High	Low
73: Vamp	Duripan	20-40	4-17	---	0	---	High	High	Low
74: Vamp	Duripan	20-40	4-17	---	0	---	High	High	High
75: Vicee	Bedrock (paralithic)	40-60	---	---	0	---	Moderate	Low	Low
Aldax Variant	Bedrock (paralithic)	10-20	---	---	0	---	Moderate	Moderate	Low
76: Vicee	Bedrock (paralithic)	40-60	---	---	0	---	Moderate	Moderate	Low
Aldax Variant	Bedrock (paralithic)	10-20	---	---	0	---	Moderate	Moderate	Low

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Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
77: Voltaire	---	---	---	---	0	---	High	High	Moderate
78: Xerta	Duripan	20-40	0-3	---	0	---	Moderate	High	Low
	Bedrock (lithic)	20-40	---	---					
Rock Outcrop	---	---	---	---	---	---	---	---	---
80: Cagle, VERY STONY	Bedrock (paralithic)	20-40	---	---	0	---	Low	Moderate	Low
Nosrac, STONY	---	---	---	---	0	---	Moderate	High	Low
81: Cagle, VERY STONY	Bedrock (paralithic)	20-40	---	---	0	---	Low	Moderate	Low
Oppio	Bedrock (lithic)	20-40	---	---	0	---	Low	Moderate	Moderate
Tristan	Bedrock (paralithic)	40-60	---	---	0	---	Moderate	Moderate	Low
82: Corbett	Bedrock (paralithic)	20-40	---	---	0	---	Low	Moderate	Moderate

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Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
83: Devada	Bedrock (lithic)	12-20	---	---	0	---	Low	Moderate	Low
Devada	Bedrock (lithic)	12-20	---	---	0	---	Low	Moderate	Low
Koontz, EXTREMELY STONY	Bedrock (paralithic)	8-20	---	---	0	---	Moderate	Moderate	Low
84: Devada	Bedrock (lithic)	12-20	---	---	0	---	Low	Moderate	Low
Koontz	Bedrock (paralithic)	8-20	---	---	0	---	Moderate	Moderate	Low
85: Devada	Bedrock (lithic)	12-20	---	---	0	---	Low	Moderate	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
86: Devada	Bedrock (lithic)	12-20	---	---	0	---	Low	Moderate	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
87: Eastval	Duripan	20-39	4-20	Strongly cemented	0	---	Moderate	High	Low

Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
88: Erastra, EXTREMELY STONY	Bedrock (paralithic)	14-20	4-39	Moderately cemented	0	---	Moderate	Moderate	Low
Eaglerock, VERY STONY	Bedrock (paralithic)	20-40	---	Moderately cemented	0	---	Moderate	Moderate	Low
Erastra, EXTREMELY STONY	Bedrock (paralithic)	14-20	4-39	Moderately cemented	0	---	Moderate	Moderate	Low
89: Glenbrook	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Low
Glenbrook	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Low
90: Godecke	---	---	---	---	0	---	High	High	High
91: Graylock	Bedrock (lithic)	40-60	---	---	0	---	Low	High	High
Temo	Bedrock (paralithic)	8-20	---	---	0	---	Low	Low	Moderate
Rock Outcrop	---	---	---	---	---	---	---	---	---
92: Indian Creek	Duripan	14-20	4-17	---	0	---	Low	High	Low

Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
93: Indiano	Bedrock (lithic)	20-40	---	---	0	---	Moderate	Moderate	Low
Nosrac	---	---	---	---	0	---	Moderate	High	Low
Old Camp	Bedrock (lithic)	10-20	---	---	0	---	Moderate	High	Low
94: Kimmerling	---	---	---	---	0	---	High	High	Low
95: Koontz	Bedrock (paralithic)	8-20	---	---	0	---	Moderate	Moderate	Low
Sutro, VERY STONY	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	Moderate	Low
Nosrac, STONY	---	---	---	---	0	---	Moderate	High	Low
96: Koontz, very stony	Bedrock (paralithic)	8-20	---	---	0	---	Moderate	Moderate	Low
Tristan, VERY STONY	Bedrock (paralithic)	40-60	---	---	0	---	Moderate	Moderate	Low
Devada, VERY STONY	Bedrock (lithic)	12-20	---	---	0	---	Low	Moderate	Low

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Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
97: Leviathan, STONY	---	---	---	---	0	---	Moderate	Moderate	Low
98: Oppio	Bedrock (lithic)	20-40	---	---	0	---	Low	Moderate	Low
Nosrac	---	---	---	---	0	---	Moderate	High	Low
99: Reno	Duripan	20-40	4-17	---	0	---	Moderate	High	Low
100: Roloc	Bedrock (paralithic)	14-20	---	---	0	---	Moderate	Moderate	Low
Graufels, VERY STONY	Bedrock (paralithic)	20-40	---	---	0	---	Low	Moderate	Low
Glenbrook, VERY STONY	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Low
103: Saralegui	---	---	---	---	0	---	Moderate	High	Low
104: Springmeyer	---	---	---	---	0	---	Moderate	High	Low
105:									

Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
105: Springmeyer	---	---	---	---	0	---	Moderate	High	Low
106: Temo	Bedrock (paralithic)	8-20	---	---	0	---	Low	Low	Moderate
Rock Outcrop	---	---	---	---	---	---	---	---	---
Witefels	Bedrock (paralithic)	20-40	---	---	0	---	Low	Moderate	Moderate
107: Toiyabe	Bedrock (paralithic)	10-20	---	---	0	---	Low	Moderate	Moderate
Rock Outcrop	---	---	---	---	---	---	---	---	---
Wet Areas	---	---	---	---	---	---	---	---	---
108: Toll	---	---	---	---	0	---	Low	Moderate	Low
109: Toll	---	---	---	---	0	---	Low	Moderate	Low
110:									

Table K2. - Soil Features - Continued

Carson City Area, Nevada

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
110: Uhaldi	Bedrock (paralithic)	20-40	---	---	0	---	Moderate	Moderate	Moderate
111: Voltaire	---	---	---	---	0	---	High	High	Low
Other Soils	---	---	---	---	---	---	---	---	---
113: Voltaire	---	---	---	---	0	---	High	High	Moderate
114: Water	---	---	---	---	---	---	---	---	---